

IN THE CLAIMS

1. (Currently Amended) Lock for doors or hatches of vehicles,
-- with a permanently supported rotary catch (20), into which a locking part (10) travels when the door or hatch is closed, thus pivoting the rotary catch (20) from an initial open position into a pre-latching position (20.1);
-- where the rotary catch (20) is spring-loaded (25) in the direction toward its open position;
-- with a permanently supported, spring-loaded (35) pawl (30), which, when the catch is in the pre-latching position (20.1), engages with a preliminary notch (21) in the rotary catch (20);
-- with a motorized (52) closing assist mechanism for the door or hatch, comprising a gearbox (53) with a cam (50);
-- with control means for turning the motor (52) on and off;
-- where, when the motor is turned on, the movement (55) of the cam (50) moves the rotary catch (20) from the pre-latching position (20.1) to the main latching position (20.3), which is secured by the pawl (30), which engages with the main notch (22) of the rotary catch (20),
~~characterized in that~~ wherein

-- a pair of toggle-joint levers (40) and a spring-loaded driver (33) are installed between the cam (50) and the rotary catch (20); in that

-- the driver (33) is hinged to the free end (42) of the toggle-joint lever pair (40), and the driver (33) is held by spring-loading (37) against a stationary end surface (18), at least when the rotary catch (20) is in the pre-latching position (20.1); in that

-- the free end (42) of the toggle-joint lever pair (40) is positively guided by guide means (15) in the lock housing (11),

-- whereas the other, fixed end (41) of the toggle-joint lever pair (40) is rotatably mounted on a stationary bearing (14); in that

-- the cam (50) has a control curve (51), against which the toggle-joint lever pair (40) is held; and in that

-- the driver (33) has a shoulder (34), which, when the catch is in the open position, is a certain distance away (36) from an opposing shoulder (24) provided on the rotary catch (20),

-- whereas, during the motorized (52) closing movement, the toggle-joint lever pair (40) extends (40.2) or inflects (40.1), as a result of which the shoulder (34) of the driver (33) grips the opposing shoulder (24) of the rotary catch (20) and rotates the rotary catch (20) from its pre-latching position (20.1) to the main latching position (20.3).

2. (Currently Amended) Lock according to Claim 1, ~~characterized in that~~ wherein the toggle-joint lever pair (40) is held in the area (43) of its toggle joint against the cam (50).

3. (Currently Amended) Lock according to ~~Claim 1 and Claim 2,~~ ~~characterized in that~~ Claim 1, wherein the guide means consists of a guide rod (15), one end (16) of which is hinged to the free end (42) of the toggle-joint lever pair (40), whereas the other end (17) of the guide rod is mounted on a stationary bearing (12).

4. (Currently Amended) Lock according to Claim 3, ~~characterized in that~~ wherein the stationary bearing of the guide rod (15) is simultaneously the bearing (12) of the rotary catch (20).

5. (Currently Amended) Lock according to ~~one of Claims 1-4,~~ ~~characterized in that~~ Claim 1, wherein the hinge point of the guide rod (15) on the toggle-joint lever pair (40) is simultaneously the hinge point for the driver (33).

6. (Currently Amended) Lock according to ~~one of Claims 1-5,~~ ~~characterized in that~~ Claim 1, wherein the spring-loading (37) of the driver (33) consists of a shank spring, which is seated in the area of the hinge point of the driver (33) on the free end (42) of the toggle-joint lever pair (40).

7. (Currently Amended) Lock according to ~~one or more of Claims 1-6, characterized in that~~ Claim 1, wherein the cam (50) has a defined control curve (51),

-- and in that the cam (50) can be detached from the motor gearbox (53) and replaced by a cam with a control curve (51) of a different profile.

8. (Currently Amended) Lock according to ~~one or more of Claims 1-7, characterized in that~~ Claim 1, wherein the toggle-joint lever pair (40) and/or the driver (33) and/or the guide means (15) can be detached from the housing (11) and replaced by other, similar components with different proportions and/or different profiles.